Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040423\
Data File : VL040303.D
Acq On : 4 Apr 2023 10:49
Operator : SY/MD
Sample : VL0404ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 01:30:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2023
Supervised By :Mahesh Dadoda 04/05/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.189	49	1096607	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2737764	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2569947m	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2245406	10.433	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	2004882	9.318	ppbv	97
3) Chlorodifluoromethane	2.674	51	1204624	8.736	ppbv	99
4) Chloromethane	2.816	50	758951	8.913	ppbv	97
5) Vinyl Chloride	2.922	62	661736	9.598	ppbv	98
6) Bromomethane	3.121	94	220693	9.231	ppbv	93
7) Chloroethane	3.198	64	248944	9.405	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1648232	8.949	ppbv	98
9) Propene	2.693	41	484571	9.173	ppbv	97
10) Heptane	7.578	43	1234036	9.712	ppbv	100
11) Trichlorofluoromethane	3.562	101	1777185	9.117	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.063	101	1287384	8.793	ppbv	98
13) Ethanol	3.243	45	29719m	7.670	ppbv	
14) Bromoethene	3.365	108	507786	9.298	ppbv	96
15) Acetone	3.465	43	1135762	8.507	ppbv	99
16) 1,3-Butadiene	2.986	39	589440	9.713	ppbv	99
17) tert-Butyl alcohol	3.873	59	1189232	9.373	ppbv	99
18) 1,1-Dichloroethene	3.880	96	576768	9.183	ppbv	98
19) Isopropyl Alcohol	3.571	45	520948	8.146	ppbv	99
20) Methylene Chloride	3.931	84	473581	8.432	ppbv	98
21) Allyl Chloride	3.996	41	806113	9.322	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	594699	9.303	ppbv	96
23) Vinyl Acetate	4.623	43	362574	9.762	ppbv #	97
24) 1,1-Dichloroethane	4.562	63	1208330	9.121	ppbv	99
25) Ethyl Acetate	5.201	43	2290275	9.163	ppbv	99
26) Hexane	5.211	57	952703	9.286	ppbv	98
27) Carbon Disulfide	4.124	76	1391606	9.711	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1108849	9.413	ppbv	100
29) Chloroform	5.272	83	1709184	9.434	ppbv	99
30) Cyclohexane	6.600	84	831989	10.291	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	1005798	10.066	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1741861	10.036	ppbv	98
34) 2-Butanone	4.783	43	1250137	9.252	ppbv	99
35) Carbon Tetrachloride	6.494	117	1782967	10.378	ppbv	99
36) Benzene	6.369	78	2043911	9.796	ppbv	97
37) 1,2-Dichloroethane	5.806	62	1314308	9.678	ppbv	100
38) Trichloroethene	7.288	130	1209338	10.607	ppbv	99
39) 1,2-Dichloropropane	7.069	63	788816	9.637	ppbv	98
40) 1,4-Dioxane	7.282	88	293119	9.051	ppbv	74
41) Tetrahydrofuran	5.555	42	744600	9.548	ppbv	97
42) Bromodichloromethane	7.250	83	1832166	9.873	ppbv	99
43) Methyl Methacrylate	7.475	69	813174	10.488	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	3415923	9.820	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	779934	11.539	ppbv	99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.140	75	1063470	11.080	ppbv		99
47)	1,1,2-Trichloroethane	8.899	97	837254	9.586	ppbv		96
48)	Dibromochloromethane	9.709	129	1421083	9.887	ppbv		100
49)	Bromoform	12.407	173	1066691	9.882	ppbv		100
50)	4-Methyl-2-Pentanone	8.179	43	2070030	9.900	ppbv		99
51)	2-Hexanone	9.549	43	1584245	9.780	ppbv		100
52)	Tetrachloroethene	10.616	164	668106	10.584	ppbv		98
53)	Toluene	9.217	91	2272899	10.395	ppbv		98
54)	1,2-Dibromoethane	10.005	107	907038	10.089	ppbv		98
56)	1,1,1,2-Tetrachloroethane	11.507	131	1018537	9.421	ppbv		97
57)	Chlorobenzene	11.523	112	1688885	9.239	ppbv		98
58)	Ethyl Benzene	12.089	91	3046265	10.410	ppbv		100
59)	m/p-Xylene	12.375	91	5260644m	19.624	ppbv		
60)	o-Xylene	13.060	91	2507320	9.784	ppbv		100
61)	Styrene	12.899	104	1417130	10.897	ppbv		99
62)	Isopropylbenzene	14.027	105	3541086	9.703	ppbv		100
63)	1,1,2,2-Tetrachloroethane	13.050	83	806643	8.946	ppbv		99
64)	n-propylbenzene	14.915	120	892177	9.990	ppbv		100
65)	tert-Butylbenzene	16.092	119	3161259	10.052	ppbv		99
66)	Benzyl Chloride	16.323	91	210991	10.323	ppbv		98
67)	sec-Butylbenzene	16.635	105	4548324	10.113	ppbv		100
69)	p-Isopropyltoluene	16.995	119	3721097	10.624	ppbv		100
70)	n-Butylbenzene	17.886	91	4175105	10.820	ppbv		100
71)	2-Chlorotoluene	14.802	91	2725676	9.813	ppbv		99
72)	4-Ethyltoluene	15.191	105	2907468	10.377	ppbv		99
73)	1,3,5-Trimethylbenzene	15.349	105	2595314	10.226	ppbv		97
74)	1,2,4-Trimethylbenzene	16.105	105	2908192	10.048	ppbv	#	92
75)	1,3-Dichlorobenzene	16.330	146	1604181	10.234	ppbv		100
76)	1,4-Dichlorobenzene	16.474	146	1580512	10.572	ppbv		99
77)	1,2-Dichlorobenzene	17.143	146	1592634	10.570	ppbv		100
78)	Hexachloro-1,3-Butadiene	22.638	225	1143801	10.351	ppbv		99
79)	Naphthalene	21.384	128	2245729	13.116	ppbv		98
80)	Naphthalene,2-methyl-	24.377	142	367525	8.476	ppbv		97
81)	1,2,4-Trichlorobenzene	21.140	180	1197447	11.355	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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